Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (currently amended): A method of accessing a dataset stored on at least one disk, comprising:

intercepting an open request to access the ~~a~~ dataset, the dataset being an extended format physical sequential dataset, the open request being associated with a first data structure that specifies a first access method, the first access method being a basic direct access method, the first access method not being supported for the extended format physical sequential dataset;

replacing the first data structure with a second data structure that specifies a second access method which is different from the first access method, the second access method being a sequential access method, the second access method being supported for the extended format sequential dataset; and

accessing the dataset stored on the at least one disk in accordance with the second access method of the second data structure.

Claim 2 (original): The method of claim 1 wherein the open request specifies that the dataset is to be opened for reading, and said accessing reads from the dataset in accordance with the second access method.

Claim 3 (original): The method of claim 1 wherein the open request that specifies that the dataset is to be opened for writing, and said accessing writes to the dataset in accordance with the second access method.

Claim 4 (canceled)

Claim 5 (canceled)

Claim 6 (original): The method of claim 1 further comprising:

specifying an access interface module to access the dataset, wherein said accessing is performed by the access interface module.

Claim 7 (original): The method of claim 1 wherein the first data structure is a first data control block, and the second data structure is a second data control block.

Claim 8 (original): The method of claim 1 wherein the second data structure contains an address of a shadow access interface module, and said accessing also invokes the shadow access interface module, the shadow access interface module receiving the address of the second data structure, and

invoking, by the shadow access interface module, a supported access module to access the dataset in accordance with the second access method.

Claim 9 (currently amended): The method of claim 1 further comprising:

qualifying the dataset to determine whether the first data structure is to be replaced based on the dataset being an extended format physical sequential dataset and the specified access method being the basic direct access method; and

in response to said qualifying that ~~when~~ the first data structure is to be replaced, issuing another dataset open request to open the dataset using the second access method.

Claim 10 (currently amended): An apparatus for accessing a dataset stored on at least one disk, comprising:

a processor; and

a memory storing one or more instructions to be executed by the processor that:

intercepts an open request to access the ~~a~~ dataset, the dataset being an extended format physical sequential dataset, the open request being associated with a first data structure that specifies a first access method, the first access method being a basic direct access method, the first access method not being supported for the extended format physical sequential dataset;

replaces the first data structure with a second data structure that specifies a second access method which is different from the first access method, the second access method being a sequential access method, the second access method being supported for the extended format physical sequential dataset; and

accesses the dataset stored on the at least one disk in accordance with the second access method of the second data structure.

Claim 11 (original): The apparatus of claim 10 wherein the open request specifies that the dataset is to be opened for reading, and said one or more instructions also read from the dataset in accordance with the second access method.

Claim 12 (original): The apparatus of claim 10 wherein the open request specifies that the dataset is to be opened for writing, and said one or more instructions also write to the dataset in accordance with the second access method.

Claim 13 (canceled)

Claim 14 (canceled)

Claim 15 (original): The apparatus of claim 10 wherein the first data structure is a first data control block, and the second data structure is a second data control block.

Claim 16 (original): The apparatus of claim 10, wherein said one or more instructions also specify an access interface module to access the dataset, the access interface module comprising said one or more instructions to access the dataset.

Claim 17 (original): The apparatus of claim 10 wherein the second data structure contains an address of a shadow access interface module, and said one or more instructions that access also invoke the shadow access interface module, the shadow access interface module receiving the address of the second data structure, and said one or more instructions also invoke, by the shadow access interface module, a supported access module to access the dataset in accordance with the second access method.

Claim 18 (currently amended): The apparatus of claim 10, said one or more instructions also:

qualify the dataset to determine whether the first data structure is to be replaced based on the dataset being an extended format physical sequential dataset and the specified access method being the basic direct access method; and

in response to a determination that ~~when~~ the first data structure is to be replaced, issue another dataset open request to open the dataset using the second access method.

Claim 19 (currently amended): An article of manufacture comprising a computer ~~program~~ usable medium embodying ~~one or more~~ instructions executable by a computer for performing a method of accessing a dataset stored on at least one disk, the method comprising:

intercepting an open request to access the ~~a~~ dataset, the dataset being an extended format physical sequential dataset, the open request being associated with a first data structure that specifies a first access method, the first access method being a basic direct access method, the first access method not being supported for the extended format physical sequential dataset;

replacing the first data structure with a second data structure that specifies a second access method which is different from the first access method, the second access method

being a sequential access method, the second access method being supported for the extended format physical sequential dataset; and

accessing the dataset stored on the at least one disk in accordance with the second access method of the second data structure.

Claim 20 (original): The article of manufacture of claim 19 wherein the open request specifies that the dataset is to be opened for reading, and said accessing reads from the dataset in accordance with the second access method.

Claim 21 (original): The article of manufacture of claim 19 wherein the open request specifies that the dataset is to be opened for writing, and said accessing writes to the dataset in accordance with the second access method.

Claim 22 (canceled)

Claim 23 (canceled)

Claim 24 (original): The article of manufacture of claim 19 wherein the first data structure is a first data control block and the second data structure is a second data control block.

Claim 25 (original): The article of manufacture of claim 19, said method further comprising:

specifying an access interface module to access the dataset, wherein said accessing is performed by the access interface module.

Claim 26 (original): The article of manufacture of claim 19 wherein the second data structure contains an address of a shadow access interface module, and said accessing also invokes the shadow access interface module, the shadow access interface module receiving the address of the second data structure, said method further comprising:

invoking, by the shadow access interface module, an operating system access module to access the dataset in accordance with the second access method.

Claim 27 (currently amended): The article of manufacture of claim 19, said method further comprising:

qualifying the dataset to determine whether the first data structure is to be replaced based on the dataset being an extended format physical sequential dataset and the specified access method being the basic direct access method; and

in response to said qualifying that ~~when~~ the first data structure is to be replaced, issuing another dataset open request to open the dataset using the second access method.

Claim 28 (currently amended): An article of manufacture comprising a computer ~~program~~ usable medium embodying ~~one or more~~ instructions executable by a computer for performing a method of accessing a dataset stored on at least one disk, the method comprising:

intercepting an open request to access the ~~a~~ dataset, the open request being associated with a first data control block that specifies an unsupported access method for the dataset;

in response to said intercepting, invoking an open screen module, the open screen module issuing a second open request to open ~~access~~ the dataset using a ~~the~~ supported access method for the dataset, the supported accesses method being specified in a ~~the~~ second data control block[[,]];

intercepting the second open request;

in response to said intercepting the second open request, invoking the open screen module;

in response to the open screen module determining that the second open request is to be processed using an operating system open module, processing the second open request using the operating system open module to open the dataset using the supported access method, and providing ~~and receive~~ an address of a supported access module;~~, and~~

replacing, by said open screen module, ~~replacing~~ the first data control block with a second data control block that specifies the supported access method; ~~which is different from the unsupported access method~~,

storing ~~the second data control block also comprising~~ an address of a shadow access interface module in the second data control block; and

accessing the dataset by invoking the shadow access interface module, and ~~using the address of the supported access module, in accordance with the second data control block,~~ the shadow access interface module invoking the supported access module using the address of the supported access module, to access the dataset in accordance with the second access method.

Claim 29 (original): The article of manufacture of claim 28 wherein the open request specifies that the dataset is to be opened for reading, and said accessing reads from the dataset in accordance with the second access method.

Claim 30 (original): The article of manufacture of claim 28 wherein the open request specifies that the dataset is to be opened for writing, and said accessing writes to the dataset in accordance with the second access method.

Claim 31 (currently amended): The article of manufacture of claim 28, said method further comprising:

qualifying, by the open screen module, the dataset to determine whether the first data control block is to be replaced based on the specified access method not being supported for the dataset.

Claim 32 (original): The article of manufacture of claim 28 wherein said qualifying further comprises:

determining whether the dataset is of a type that is not supported by the first access method.

Claim 33 (original): The article of manufacture of claim 28 further comprising:

intercepting a close request to close the dataset; and

executing a close screen module to close the dataset.

Claim 34 (original): The article of manufacture of claim 28 wherein the unsupported access method is a basic direct access method, and the supported access method is a sequential access method.

Claim 35 (original): The article of manufacture of claim 28 wherein the dataset is an extended format physical sequential dataset.

Claim 36 (new): The method of claim 1 further comprising:

in response to said intercepting the open request to access the dataset, invoking an open screen module;

issuing, by the open screen module, another open request, the another open request being associated with the second data structure, wherein the second access method is specified in the second data structure;

intercepting the another open request;

in response to said intercepting the another open request, invoking the open screen module; and

in response to the open screen module determining that the another open request is to be processed using an operating system open module, processing the another open request using an operating system open module to open the dataset using the supported access method.

Claim 37 (new): The apparatus of claim 10, said instructions also:

in response to said interception of the open request, invoke an open screen module;

issue, by the open screen module, another open request, the another open request being associated with the second data structure, wherein the second access method is specified in the second data structure;

intercept the another open request;

in response to the intercepting of the another open request, invoke the open screen module; and

in response to a determination by the open screen module that the another open request is to be processed using an operating system open module, process the another open request using an operating system open module to open the dataset using the supported access method.

Claim 38 (new): The article of manufacture of claim 19, said method further comprising:

in response to said intercepting said open request, invoking an open screen module;

issuing by the open screen module, another open request, the another open request being associated with the second data structure, wherein the second access method is specified in the second data structure;

intercepting the another open request;

in response to said intercepting the another open request, invoking the open screen module; and

in response to the open screen module determining that the another open request is to be processed using an operating system open module, processing the another open request using an operating system open module to open the dataset using the supported access method.